



GEOMECH AFRICA
Proudly **CEO GROUP**



GEOMECHANICS
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FACT SHEET

Boyles 56

**GEOTECHNICAL
AND EXPLORATION
DRILLING RIG**

**GEOMECH AFRICA
LEVEL 1 - B-BBEE**

www.geogroup.co.za





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About The Boyles 56 Drill Rig

The Boyles 56 is a deep capacity drill. It is one of the industry's widest range of spindle torques and speeds through a unique selection of bevel gears and sprocket ratio options. This trailer mounted unit has been customised for ease of movement to access harder to reach areas.

Technical Specifications

DEPTH CAPACITY		POWER TRAIN (CONTINUED)	
PQ	944 m	DRIVE LINE	Heavy duty universal joints
HQ	1 415 m	FRONT END DRIVE	Weldment
NQ	2 000 m	CHAIN	Quintuplex 16mm pitch
BQ	1 500 m	MAIN HOIST	
DIESEL POWER UNIT		SINGLE LINE HOIST RATING	7 900 kg
MODEL	Deutz Turbo Diesel TCD 914	HOIST TYPE	Planetary with brake bands
HORSEPOWER	174,9 Hp at 2 300 rpm	DRUM CAPACITY	48 m of 16mm dia. cable
MAX TORQUE	461 lb-ft at 1 600 rpm	DRUM DIAMETER	275 mm
POWER TRAIN		DRUM LENGTH	230 mm
TRANSMISSION	2F 4-Speed manual	BRAKE/CLUTCH DRUM	420 mm dia. x 64 mm
		HOIST BRAKE DRUM:	610 mm dia. x 89 mm

Technical Specifications

WIRELINE HOIST		HYDRAULIC SWIVELHEAD - 12HH	
RATED CAPACITY WITH LEVELWIND	2 370 m of 5 mm	DRIVE TUBE I.D	92 mm
RATED CAPACITY WITHOUT LEVELWIND	1 415 m	SWIVEL HEAD ROTATION	360°
MAXIMUM LINE SPEED BARE:	84 m/min	BEVEL GEAR RATIOS: STANDARD:	1,8:1
MAXIMUM LINE SPEED FULL:	1 500 m	BEVEL GEAR RATIOS: OPTIONAL	1,48:1
MAXIMUM LINE PULL BARE:	930 daN	HYDRAULIC PRESSURES	6 890 kPa
MAXIMUM LINE PULL FULL:	276 daN	MAXIMUM THRUST	276 daN/9 978 daN
HYDRAULIC CHUCK		MAXIMUM LIFT	11 383 daN
CHUCK HOLDING CAPACITY	10 900 kg	PISTON ROD O.D	38 mm
NUMBER OF JAWS	9	CYLINDER I.D	102 mm
JAW TYPE	Replaceable carbide insert	STROKE STANDARD	610 mm
CHUCK ACTION	Spring closed, hydraulic release		



BOYLES 56



The GeoGroup

GeoGroup comprises of a group of companies, each a leader in its own field, providing a range of services to the geotechnical, civil, mining and energy industries.

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About Geomech Africa

Geomech Africa (Pty) Ltd is an industry leader in the geotechnical investigations in Southern Africa. Certified as a **Level 1 B-BBEE** contributor. Providing drilling and testing services to the minerals exploration market, as well as geotechnical and civil industries in and around Southern Africa and Africa.

Geomechanics has long-term policies of developing operational/maintenance staff and upgrading equipment, to ensure that geotechnical investigations conducted for our clients are accurate, timely, cost effective and easily interpreted.

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